

Claims

1. A conveyor device for advancing work-pieces through a processing zone for the surface treatment of the work-pieces, comprising a conveyor which moves the work-pieces mounted on a respective mounting device into the processing zone, advances them through the processing zone and then removes them from the processing zone, wherein the mounting devices each comprise a respective base part which is moved in translatory manner in the direction of conveyance and a rotary part upon which the work-piece is arranged and which is mounted in rotatable manner on the base part, and wherein the conveyor comprises at least one drive device by means of which at least one respective directly driven mounting device is adapted to be driven directly for movement in the direction of conveyance, whereby, by virtue of contact between the directly driven mounting device and at least one indirectly driven mounting device, the movement of the directly driven mounting device is transmitted to the indirectly driven mounting device.
2. A conveyor device in accordance with claim 1, wherein the base part of the respective directly driven mounting device is in contact with the base part of the indirectly driven mounting device.
3. A conveyor device in accordance with of claim 1, wherein the movement of the respective directly driven mounting device is transmitted to at least two indirectly driven mounting devices.
4. A conveyor device in accordance with claim 1, wherein the drive device comprises a friction wheel drive.

5. A conveyor device in accordance with claim 1, wherein the conveyor comprises at least one braking mechanism, by means of which at least one respective mounting device moving in the direction of conveyance is adapted to be braked.
6. A conveyor device in accordance with claim 5, wherein the braking mechanism comprises a friction wheel brake.
7. A conveyor device in accordance with claim 1, wherein the mounting devices are advanced through the conveyor in circulating manner.
8. A conveyor device in accordance with claim 1, wherein the conveyor comprises at least one of a lifting station for lifting the mounting devices and a lowering station for lowering the mounting devices.
9. A conveyor device in accordance with claim 1, wherein at least one roller is arranged on the base part of a mounting device, said roller rolling on a running rail during the movement of the mounting device in the direction of conveyance.
10. A conveyor device in accordance with claim 1, wherein the rotary part of a mounting device comprises at least one guide element, and wherein the conveyor comprises at least one guide track on which the guide element is guided in such a manner that the rotary part is rotated relative to the base part.
11. A conveyor device in accordance with claim 10, wherein the rotary part comprises a plurality of guide elements which are guided successively on the guide track during the rotation of the rotary part.

12. A conveyor device in accordance with claim 11, wherein the guide track comprises a plurality of guide track sections that succeed one another in the direction of conveyance, a respective one of the guide elements being guided on said sections during the rotation of the rotary part.
13. A conveyor device in accordance with claim 12, wherein the guide track sections that succeed one another in the direction of conveyance are mutually spaced in the direction of conveyance.
14. A conveyor device in accordance with claim 11, wherein the guide elements are arranged in such a manner that the angular spacings between neighbouring guide elements taken with reference to the axis of rotation of the rotary part comprise at least two different values.
15. A conveyor device in accordance with claim 1 which is adapted for advancing vehicle bodies through a processing zone for the surface treatment of the vehicle bodies.